

Date: Fri, 8 Jan 93 09:06:17 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #38
To: Info-Hams

Info-Hams Digest Fri, 8 Jan 93 Volume 93 : Issue 38

Today's Topics:

 CTCSS
 Dayton Hamfest Camping
 DRAKE TR-7(A) XCVR (2 msgs)
 DXCC Status of Czech and Slovakia?
 Fiberglass for Antennas
 License delays
 Origin of "88's" and "73's" ?
 QSL status of YX0AI
 Thank You!
 W5YI - Economical with the truth?
 WANTED: Manual for Galaxy 300
 WANTED: Wincharger tower specs
 Weather treating of bamboo quad spreaders

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 8 Jan 1993 14:02:06 GMT
From: swrinde!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: CTCSS
To: info-hams@ucsd.edu

In article <1993Jan7.183258.17573@tijc02.uucp> eri316@tijc02.uucp (Ed
Ingraham) writes:
>All this discussion of closed vs open repeaters and CTCSS (which seems
>such an attractive solution) brings up the question:
>

>If two stations transmit at the same time on the input of a repeater,
>one with the CTCSS which the repeater uses and one without, what comes out
>of the repeater transmitter?
>
>If the CTCSS signal is stronger, he comes through. Otherwise, nothing. Right?

Well there are three cases. In the first case, the CTCSS user captures the repeater receiver and is repeated with virtually no interference. The second case is that the non-CTCSS station captures the receiver and the repeater doesn't activate. The third case is the messy one. That's where neither signal fully captures the receiver yet the CTCSS is decoded. Then you get the typical doubling heterodyne. Usually though, if the receiver can decode the CTCSS, the desired station will be intelligible.

Gary

```
--
Gary Coffman KE4ZV          | You make it,      | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it.     | uunet!rsiatl!ke4zv!gary
534 Shannon Way           | Guaranteed!      | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244    |                   | emory!ke4zv!gary@gatech.edu
```

Date: Fri, 8 Jan 1993 14:48:38 GMT
From: usc!cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!corpgate!
brtph560!nrtpa038!harp@network.UCSD.EDU
Subject: Dayton Hamfest Camping
To: info-hams@ucsd.edu

In article <1993Jan7.172559.25744@cbfsb.cb.att.com> wb2qoq@cbnewsb.cb.att.com
(r.j.anderson) writes:

>I am looking for campground suggestions from anyone who has camped in the
Daytonarea for the Hamvention. The last time (1991) my wife and I camped in our 20
ft.trailer at the Enon Beach campground, approx. 20 miles east of Dayton, right
>off of Rt.70, near Springfield. It was sort of a run down campground, sites
>were close together. I am thinking about making reservations at a campground
>for this years Hamvention. Are there any recommended campgrounds from readers
>of this newsgroup.

>TNX Rick Anderson WB2QOQ (please e-mail to rja@zeppo.att.com)

I have always stayed at the Dayton KOA for the hamfest. The shuttle
bus makes it very convenient. It fills up fast. All hookups are gone
on Wednesday or thursday before the hamfest. They don't take reservations.
They do have an open field that they put spill over campers in. They don't
turn anyone away.

As for Springfield, since I have relatives there I have used one just

East of Springfield on old route 40. I think it was called hidden oaks. The place is nice with a few exceptions. I never tried to stay there during the hamfest. Everytime I was there it wasn't crowded at all. I do believe that there is or was some controversey over ownership, forclosure, or something. They did some silly things like get rid of all the picnic tables at the camp site etc. So before you go there be sure it is open. It is a long way to the hamfest from there.

```
*****
* Alan Harp K4PB      *      Bell-Northern Research      *      CW FOREVER      *
* mail: harp@bnr.ca  *      Research Triangle Park, NC  *      *
*****
```

Date: Fri, 8 Jan 1993 15:00:36 GMT
From: usc!cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!corpgate!brtph560!nrtpa038!harp@network.UCSD.EDU
Subject: DRAKE TR-7(A) XCVR
To: info-hams@ucsd.edu

In article <#602qxh@rpi.edu> root@june.cmp.rpi.edu (J.R. Ordon) writes:
>Has anybody out there owned or used the Drake TR-7(A) xvcrr???

>I'd like to know it's good and bad points & How would it compare
>in performance to rigs like the Icom 751A & Kenwood TS-830s..

>Any comments would be appreciated...

>thanks,
>-----

>Email: root@june.cmp.rpi.edu
>Jeff Ordon WV2N

I own a Drake TR-7 tranciever. I've had it since it was new. It was considered by many as the best when it came out. I have an IC761. I have them set up so they can both recieve at the same time. I work split with the TR-7 receiver in one ear listening to the DX station and the IC761 is used to find the station he is working. The TR-7 receiver in my opinion is almost as good as the IC761. The TR-7 will go on the WARC bands but not as nicely as the newer rigs. Drake still provides service for them. If you get a chance to buy a one at a good price it is a good choice if you can't afford several \$K for a new one. I don't have any plans to sell mine.

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*****
* Alan Harp K4PB      *      Bell-Northern Research      *      CW FOREVER      *
*****
```

* mail: harp@bnr.ca * Research Triangle Park, NC *

Date: 8 Jan 93 13:42:43 GMT
From: usc!howland.reston.ans.net!paladin.american.edu!gatech!emory!ncratl!ncrhub2!
ciss!law7!jra@network.UCSD.EDU
Subject: DRAKE TR-7(A) XCVR
To: info-hams@ucsd.edu

root@june.cmp.rpi.edu (J.R. Ordon) writes:

>Has anybody out there owned or used the Drake TR-7(A) xvcrr???

>I'd like to know it's good and bad points & How would it compare
>in performance to rigs like the Icom 751A & Kenwood TS-830s..

I've had a TR-7 for a bunch of years now. Compared to today's radios,
it's sadly lacking in bells and whistles (and that's an
understatement...) but the basic RF is very good; I think only the very
best of today's radios top the receiver performance. One fairly major
problem (to some folks) is that since the radio uses a PTO rather than a
synthesizer, it does drift a bit as it warms up. I've heard of units
that moved as much as 500Hz from cold to operating temperature, but mine
is more like 100Hz.

--
John R. Ackermann, Jr. Law Department, NCR Corporation, Dayton, Ohio
(513) 445-2966 John.Ackermann@daytonoh.ncr.com
Packet Radio: ag9v@n8acv.oh tcp/ip: ag9v@ag9v.ampr [44.70.12.232]

Date: 8 Jan 93 14:28:20 GMT
From: usc!rpi!gatech!emory!ncratl!ncrhub2!ncrc!m!tskelton@network.UCSD.EDU
Subject: DXCC Status of Czech and Slovakia?
To: info-hams@ucsd.edu

It was reported in the news that as of 1 January 1993, Czechoslovakia
had agreed to split into two countries: Czech and Slovakia. Does
anyone have info as to whether the DARC has acted to add these to the
WAE list? Also, anyone have any idea when the DXAC will add this to
their agenda?

It seems clear, from a DXCC standpoint, we will have 1 deletion and
2 new countries. I hope the DXAC and ARRL Awards Committee act soon...
Thanks in advance for any updates. 73, Tom WB4IUX

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Date: Fri, 08 Jan 1993 14:34:36 GMT
From: usc!cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!corpgate!
brtph560!batph8!batph39!jvogt@network.UCSD.EDU
Subject: Fiberglass for Antennas
To: info-hams@ucsd.edu

Greetings all - A while back I posted a request for information about good sources for fiberglass tubing for antenna use. Many people replied, some with information but to my surprise most replies were of the nature - 'if you find a good source, please let me know.' I compiled all of the sources I could find and sent out the list. Recently, I came across an EXCELLENT source for the stuff, so I'm broadcasting this information for everyone's benefit.

Max Gain Systems, Inc - 221 Greencrest Court, Marietta, Georgia 30068-3825

Phone is (404)973-6251.

They have:

Solid Rod:

Diameter (inches)	Length (feet)	Color	Cost
-----	-----	-----	-----
1/8	8	Black	\$2.50 each
3/16	8	Black	\$3.00 each
1/4	8	Black	\$4.00 each
3/8	8	Black	\$5.00 each
1/2	8	Black	\$6.00 each
5/8	Surplus call	Black	
3/4	Surplus call	Black	
1	Surplus to 10 ft.	Black	\$2.00 per foot

Square sided tube

Width on side (inches)	Wall Thickness (inches)	Length (feet)	Color	Cost
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-----	-----	-----	-----	-----
1	1/8	4	Lt. Olive Green	\$9.00 each
1	1/8	8	Lt. Olive Green	\$18.00 each
1.5	1/8	4	Lt. Olive Green	\$13.00 each
1.5	1/8	8	Lt. Olive Green	\$24.00 each

Round tube

Diameter (inches)	Wall Thickness (inches)	Length (feet)	Color	Cost
-----	-----	-----	-----	-----
1.25	1/8	8	Yellow	\$12.00 each
1.5	1/8	4	Lt Olive Green	\$12.00 each
1.5	1/8	8	Lt Olive Green	\$24.00 each

They also have telescoping quad spreaders;

If you use Visa/MC, add 3%.

They offer a quantity discount on quantities of 10 or more of any one item. If you order 10 or more pieces of 2 or 3 different types or lengths of fiberglass, each will qualify for the 20% quantity discount.

\$2.00 packing charge.

UPS will ship lengths up to 8 feet, and charges 25 lbs minimum weight.

I hope you find this useful. I'm excited about it because at these prices, I can build the Telerana LPDA in the Antenna Book for around \$100! If anyone knows of a cheaper source, please let me know.

73 to all,
John KM4OB

Date: 8 Jan 93 04:21:22 GMT
From: ogicse!das-news.harvard.edu!cantaloupe.srv.cs.cmu.edu!
crabapple.srv.cs.cmu.edu!andrew.cmu.edu!dm3e+@uunet.uu.net
Subject: License delays
To: info-hams@ucsd.edu

Excerpts from netnews.rec.radio.amateur.misc: 7-Jan-93 License delays
Kevin Purcell, Rho@micro (471)

> the FCC says its delay is at least 90days now. Plus VE and VEC delays
> you can say at least 120days from exam to issue.

Are you saying the VE and VEC might not have sent these things in right away?

:(

David Markley
N3??? (T+55 days)

Think it'll be even longer, since I took the Exam on Nov. 14, right
before the holidays?

:(
++David

Computing Services
markley+@cmu.edu
(412)268-7816

Date: 8 Jan 93 14:46:10 GMT
From: idacrd!tang!n4hy@uunet.uu.net
Subject: Origin of "88's" and "73's" ?
To: info-hams@ucsd.edu

>Thanks, Bob, for reiterating the obvious. Seems far too many folks, intent
^^
>on fracturing the English language, and now focusing on abbreviations and CW
^^
>shorthand.
^^^^^^^^^^^^

I love it when people blast other peoples grammar, sentence structure,
misuse of words, etc. and do it in something that isn't even a sentence.

Do not throw stones if you live in a glass house.

BMc

Date: 8 Jan 93 14:36:38 GMT
From: usc!howland.reston.ans.net!paladin.american.edu!gatech!swrinde!emory!ncratl!
ncrhub2!ncrc1m!tskelton@network.UCSD.EDU
Subject: QSL status of YX0AI
To: info-hams@ucsd.edu

Some of the locals on the packetcluster report that QSL's from the most recent AVES ISLAND expedition are trickling in. One guy has sent cards to three different addresses and still doesn't have one, and this is a new one for him. Anyone out there have any good info on what's really happening? tnx! 73, Tom WB4IUX

--

Date: 8 Jan 93 14:15:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: Thank You!
To: info-hams@ucsd.edu

Tom Sefranek WA1RHP

I enjoyed reading that first letter from you.
Thank you for the Informal Class Sunday's Information.
I will try to tune it in on my 2-meter rig.

I have a HF rig from Kenwood The Two Meters Rig is from Kenwood.

My 2 Meters HT is from ICOM

I had other things to say... Well I got my Novice in April 1, 1989

My Tech. Came in some time October 1990

Now is the time for the General Class
I belong to the Sussex County Amateur Radio Club.
They have a Net every Wednesday Nights at 20:00 EST
And then they go on the HF Rig After the 2 meters

I am not sure of the Frequecnny they use on the HF Rig.

For 2 Meters They use: 147.300

Well thats all for now.....73

Scott Caden Ream

Tech. Operator

KB2HKR

Date: Fri, 8 Jan 1993 14:29:42 GMT
From: psinntp!pool!gsfm@uunet.uu.net
Subject: W5YI - Economical with the truth?
To: info-hams@ucsd.edu

In article <".7-Jan-93.12:26:57".*.Iain_Philipps.Bridge_House@RXUK.Xerox.com>
GORDI.Bridge_House@rxuk.xerox.com writes:

>Folks,

>

>I just got a package from W5YI through the mail; you know the sort of thing
>.... subscription offers for The W5YI Report, Ham education books, etc. Also
>included was a rather cute square piece of paper, headed 'CONGRATULATIONS!' A
>real attention grabber.

>

>At the risk of boring some folks, reproduced here is the portion of the text of
>this document with which I take issue:-

>

>"Congratulations! on the recent upgrading of your amateur radio operator
>license! We note, however, that you upgraded without having your most recent
>FCC amateur radio operator license in your possession. While this is perfectly
>legal, the FCC does not allow VEC's to forward amateur radio upgrade (Form 610)
>applications to them for new license issuance without a photocopy of the
>applicant's most pervious license attached. In view of this, we are HOLDING
>your FCC FORM 610 application here at the VEC Office until we receive a copy
>FROM YOU of your most previous amateur radio operator license.

>

>We want you to receive your upgraded license AS QUICKLY AS POSSIBLE. You CANNOT
>receive your new amateur operator license without the previous license
>photocopy being attached to your pending application being held here at the VEC
>Office"

>

>Now, what, precisely is my problem?

>

>I started on the trail of a U.S. amatuer license 18-Nov-92. At the session that
>day, for one reason or another, I had time only to get through enough elements
>to take me up to General class. A (very) few days later; 21-Nov-92, in fact, I
>attended a further session, completing the remaining elements to take me to
>Extra class. Of course, at the second session, I needed to fill out another

>'610. I did so, taking great care to complete the section which requested
>information on any pending application which was as yet unactioned by the FCC.
>My assumption was that they (the FCC) would be able to use that data to quickly
>tie up my two '610s. Seems I was mistaken.

D
D
D
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D

No. You have to follow the directions given by W5YI. Send him your latest
license photocopy when you get it. The FCC only works on one application at a
time.

>
>OK - who can cite the FCC regulations cited by W5YI?
>
>73 - Iain
>GORDI
>
>g0rdi.bridgehouse@rxuk.xerox.com

Date: Fri, 8 Jan 1993 16:37:39 GMT
From: usc!sdd.hp.com!hpscit.sc.hp.com!icon.rose.hp.com!cmoore@network.UCSD.EDU
Subject: WANTED: Manual for Galaxy 300
To: info-hams@ucsd.edu

Hi all!

I have an old Galaxy 300 rig made by World Radio Labs. It was my first novice
rig (traded a teletype for it about 10 years ago!) I thought it would be
fun to restore it, so I'm looking for a manual.

Does anyone happen to have a manual for this beast? I'd be happy to pay
copying and mailing costs. If not, maybe someone can give me suggestions
as to where I might get a manual for it? I know there are some companies
that carry manuals for old rigs...is any one better than the others?

Thanks!
Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

Date: 8 Jan 93 14:36:45 GMT
From: usc!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!lll-winken!
fnnews.fnal.gov!fnal.fnal.gov!munger@network.UCSD.EDU
Subject: WANTED: Wincharger tower specs
To: info-hams@ucsd.edu

WANTED: Wincharger tower specs and windload for city ordinance compliance.
Has triangular 20 foot sections, one foot X cross members spaced every two
feet. N9LCM, 1029 East Liberty Drive, Wheaton, IL 60187. 708-665-3952.
Thanks!

Date: 8 Jan 93 14:33:52 GMT
From: usc!howland.reston.ans.net!paladin.american.edu!gatech!emory!ncratl!ncrhub2!
ncrc1m!tskelton@network.UCSD.EDU
Subject: Weather treating of bamboo quad spreaders
To: info-hams@ucsd.edu

In an effort to greatly improve my signal on 20-10 meters in an
affordable manner (i.e., XYL would throw me out of the house if I
said I wanted to buy a KT34XA after just buying a new TS690S), I am
considering putting a 4 element quad at the top of my 80 ft tower.
I have a donation of a boom, have located inexpensive spreaders, and
have large quantities of locally grown bamboo. However, I don't want
to go to the trouble of putting that monster up and have it come down
when the bamboo rots in 12 months.
Any of you had any experience in weather treating bamboo to make it last
for 4 or 5 years? I have read articles that suggested wrapping each
spreader in electrical tape, covering it with house paint, covering it with
spar varnish, etc. Any real-life data would be appreciated!
Thanks! 73, Tom WB4IUX

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Date: Fri, 8 Jan 1993 15:15:38 GMT
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!gatech!kd4nc!ke4zv!
gary@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan02.061145.6961@ssc.com>, <1993Jan3.184611.5834@ke4zv.uucp>,
<1993Jan06.234245.7665@ssc.com>D
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: 430mhz band under th

In article <1993Jan06.234245.7665@ssc.com> tad@ssc.com (Tad Cook) writes:
>In article <1993Jan3.184611.5834@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)
writes:

>>
>>You have that backwards, it won't do *you*, the repeater owner, any
>>good because it only refers to interference between *repeater* stations.
>>The applicable regulation for the case you state is 97.101(b) which
>>says "No frequency will be assigned for the exclusive use of any station."
>>As long as there is no *on going* QSO on the repeater that suffers
>>interference by the simplex use, the simplex user is not in violation.
>>Someone who comes on and attempts to "talk over" the packet transmission
>>*would* be in violation for malicious interference.

>
>So a repeater has NO defense against a jammer who sets up a packet
>station on its freq? The packet TNC will not transmit when there
>is a signal present, so you are saying that the repeater user who
>attempts to talk on the repeater at any time after the jamming TNC
>has been set up could be cited because he is talking over the
>"simplex user"??

No, not if he waited for transmission to cease before transmitting,
maximum 7 seconds with standard packet TNCs. Then *he* would have the
channel and the packet station would be interfering with *him* if it
didn't hold off for the duration of his usage. This is just like HF or
any other amateur use, the station transmitting has the right of way
for the duration of his transmission.

Packet could be a good sharing partner as a matter of fact since it's
designed to hold off automatically when the channel is busy. The big
problem is determining when the channel is free. That would probably
require a secondary receiver on the repeater output frequency to
supply a carrier DCD to the TNC. Notice that the intent is not to
jam, the intent is to *share* the frequency in accordance with
97.101(b). We actually played with this for a while with our repeater,
but finally put up a separate repeater for packet only since sharing
reduced packet thruput too much during drive time.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				emory!ke4zv!gary@gatech.edu

Date: Fri, 8 Jan 1993 14:56:50 GMT

From: usc!zaphod.mps.ohio-state.edu!cis.ohio-state.edu!lightning.cis.ohio-state.edu!pitonyak@network.UCSD.EDU
To: info-hams@ucsd.edu

References <reid.29.725760302@ucs.indiana.edu>,
<1993Jan03.232623.4498@uhura.neoucom.edu>, <13412@bnr-rsc.UUCP>onya
Subject : Re: RFI susceptibility of new cars?

In article <13412@bnr-rsc.UUCP> everett@nmerh97.NoSubdomain.NoDomain (Jerry F. Everett) writes:

>PROBLEM: When I use 50 watts:
> - The AM/FM radio generates a load hum. (RF getting in somewhere)

I ran accros a similar problem and it appears as though the RF was
was in my case coming in the antenna.

andy

Date: 8 Jan 93 13:46:29 GMT
From: news-mail-gateway@ucsd.edu
To: info-hams@ucsd.edu

References (James, M., Headrick)p
Subject : 1200 MHz is not microwave etc.

K4DII said:

"By the way, these letter designations were apparently originated by the
old Sperry Electronic Tube Division, when they arbitrarily chose them to
indicate the frequency range of their microwave tubes. This was probably
over 40 years ago, before they moved to Florida"

My memory is that we used the letter designators K, X, S, L, P as early as
1941 when I attended the MIT Radar School. King Xerexes Seduces Lovely
Princess was a memory aid used. The actual frequency bands used by specific
equipments was classified, so the letter designators were handy. Actually
the word radar was classified in 1941 - so the school was called Instruction
in Ultra High Frequency Techniques or something like that.

73 Jim W3CPB headrick@radar.nrl.navy.mil

End of Info-Hams Digest V93 #38
